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Total Number of Pages in This Submission

Application Number	10/814,477
Filing Date	March 31, 2004
First Named Inventor	Shaomin Samuel Mo, et al.
Art Unit	3662
Examiner Name	To Be Assigned
Attorney Docket No.	MAT1-240US

## ENCLOSURES (Check all that apply)

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## SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm Name	Rather Prestia		
Signature			
Printed Name	Kenneth N. Nigon		
Date	September 26, 2005	Registration No.	31,549

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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 10/814,477  
Applicant: S.S. Mo, et al.  
Filed: March 31, 2004  
Title: METHOD AND APPARATUS FOR GENERATING AND PROCESSING  
WIDEBAND SIGNALS HAVING REDUCED DISCRETE POWER SPECTRAL  
DENSITY COMPONENTS  
TC/A.U.: 3662  
Examiner: To Be Assigned

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

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Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO/SB/08a submitted herewith. A copy of the reference(s) listed on the PTO/SB/08a , other than U.S. patents, is enclosed.

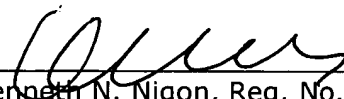
Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

This Information Disclosure Statement is being filed within three months of the filing date of the above-referenced application or before mailing of the first Official Action. No

first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or statement is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,

  
Kenneth N. Nigon, Reg. No. 31,549  
Attorney(s) for Applicant(s)

KNN/jal

Enclosures: PTO/SB/08a  
(5) References  
Transmittal Form

Dated: September 26, 2005

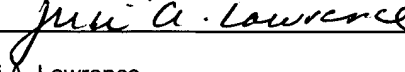
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Juli A. Lawrence

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

SHEET 1 of 1

**Complete if Known**

Application Number	10/814,477
Filing Date	March 31, 2004
First Named Inventor	Shaomin Samuel Mo, et al.
Art Unit	3662
Examiner Name	To Be Assigned
Attorney Docket No.	MATI-240US

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-6,026,124 A	02/15/2000	Lee, et al.	Entire Document

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
						<input type="checkbox"/>

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
	1	S.S. MO, Phrase reversion to reduce power spectral density of multi-band UWB signals, Consumer Communications and Networking Conference, 2004, Las Vegas, NV, USA Jan. 5-8, 2004, Piscataway, NJ, USA, IEEE, Jan. 5, 2004, pp. 307-11.	<input type="checkbox"/>
	2	J. BALAKRISHNAN, ET AL., A multi-band OFDM system for UWB communication, 2003 IEEE Conference on Ultra Wideband Systems and Technologies, Reston, VA, Nov. 16-19, 2003, Piscataway, NJ, pp. 354-58.	<input type="checkbox"/>
	3	S.S. MO, ET AL., Frame synchronization in UWB using multiple SYNC words to eliminate line frequencies, IEEE Wireless Communications and Networking, 2003, New Orleans, LA, Mar. 16-20, 2003, pp. 773-78.	<input type="checkbox"/>
	4	E. SABERINIA, ET AL., All-digital receiver structures for MC-UWB systems, IEEE 58 <sup>th</sup> Vehicular Technology Conference, 2003, Orlando, FL, pp. 289-93, Vol. 1.	<input type="checkbox"/>
	5	Int'l Search Report, Int'l App. No. PCT/US2005/010491	<input type="checkbox"/>

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

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<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

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